This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A method for yielding a virtual processor within a logically partitioned data processing system, wherein the system supports a plurality of partitions, a first of which includes a plurality of virtual processors that share at least one CPU, and wherein the system further includes a hypervisor configured to assign and dispatch the CPU to the plurality of virtual processors, the method comprising:

requesting with a yielding virtual processor a yield of the CPU upon which the virtual processor is executing, including designating a target virtual processor from among the plurality of virtual processors; and

switching-in the target virtual processor for execution by the CPU in response to the requested yield.

- 2. (Original) The method according to claim 1, wherein the target virtual processor requires access to the CPU, wherein the yielding virtual processor controls the CPU.
- 3. (Original) The method according to claim 1, further comprising generating a yield command from the virtual processor, wherein the yield command includes pointer and status information regarding the target virtual processor.
- 4. (Original) The method according to claim 1, further comprising assigning status information to the target virtual processor.

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5. (Original) The method according to claim 1, further comprising assigning a target count to the target virtual processor.

- 6. (Previously Presented) The method according to claim 5, further comprising comparing the target count to a presented count conveyed in the requested yield.
- 7. (Original) The method according to claim 1, further comprising aborting the yield in response to a yield-to-active command.
- 8. (Previously Presented) The method according to claim 1, further comprising designating the yielding virtual processor as waiting for the target virtual processor.
- 9. (Previously Amended) The method according to claim 1, further comprising designating the target virtual processor as having a yielding processor waiting for the yielding virtual processor.
- 10. (Original) The method according to claim 1, further comprising storing the state of the yielding virtual processor.
 - 11. (Currently Amended) An apparatus comprising:
- a logically partitioned computer including a plurality of logical partitions, a first of which including a plurality of virtual processors that share at least one CPU; and
- a program resident in a hypervisor of the computer, wherein the program is configured to assign and dispatch the CPU to the plurality of virtual processors, the program configured to initiate a request for a yield of the [a] CPU controlled by a yielding virtual processor, wherein the request designates a target virtual processor from among

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the plurality of virtual processors; and further configured to logically reassign control of the CPU from the yielding virtual processor to the target virtual processor.

- 12. (Original) The apparatus according to claim 11, wherein the target virtual processor requires access to the CPU, wherein the yielding virtual processor controls the CPU.
- 13. (Original) The apparatus according to claim 11, wherein the program initiates generation of a yield command from the virtual processor, wherein the yield command includes pointer and status information regarding the target virtual processor.
- 14. (Original) The apparatus according to claim 11, wherein the program initiates an assignment of a target count to the target virtual processor.
- 15. (Previously Presented) The apparatus according to claim 14, wherein the program initiates a comparison of the target count to a presented count conveyed in the request for the yield.
- 16. (Original) The apparatus according to claim 11, wherein the program initiates abandonment of the yield in response to a yield-to-active command.
- 17. (Previously Presented) The apparatus according to claim 11, wherein the program initiates a designation of the yielding virtual processor as waiting for the target virtual processor.

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18. (Previously Presented) The apparatus according to claim 11, wherein the program designates the target virtual processor as having a yielding processor waiting for the yielding virtual processor.

19. (Currently Amended) A program product, comprising:

- (a) a program resident in a hypervisor configured to assign and dispatch a CPU to a plurality of virtual processors, wherein the program is further configured to initiate a request for a yield of the [a] CPU controlled by a yielding virtual processor among a plurality of virtual processors in a logically partitioned data processing system, wherein the request designates a target virtual processor from among the plurality of virtual processors; and further configured to logically reassign control of the CPU from the yielding virtual processor to the target virtual processor; and [.]
 - (b) a signal bearing medium bearing the first program.
- 20. (Original) The program product of claim 19, wherein the signal bearing medium includes at least one of a recordable medium and a transmission-type medium.
- 21. (Previously Presented) The apparatus according to claim 11, wherein at least one of the virtual processors of the plurality of virtual processors includes a schedule used to determine allocation as between the plurality of virtual processors of processing cycles of the CPU.

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